

## CLAIMS

1) A pumping system (100\*) comprising a pump (10\*) and a user device (UT) connected to said pump (10\*) by a delivery conduit (26), and further comprising pressure control means for setting said pump (10\*) to a balanced configuration to supply the oil flow demanded by said user device (UT);

a pumping system (100\*) wherein said pressure control means comprise hydraulic dissipating means (29\*, 30) for imparting to the oil in a control chamber (22), forming part of said pump (10\*), a pressure (p2) lower than a control pressure (p1);

the pumping system (100\*) being characterized in that said control chamber (22) of said pump (10\*) comprises a channel (40) connecting the control chamber to an inlet (23).

2) A pumping system (100\*) as claimed in Claim 1, wherein a member (13) of said pump (10\*) comprises means (21a) for selectively closing said channel (40).

3) A pumping system (100\*) as claimed in Claim 2, wherein said channel (40) comprises opening/closing means (41, 42, 200) controlled selectively by an operating parameter.

4) A pumping system (100\*) as claimed in Claim 3, wherein said operating parameter is the temperature of the oil pumped by said pump (10\*).